

DERWENT-ACC-NO: 1998-063259

DERWENT-WEEK: 200026

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: External insulating material for internal
combustion
engine components - has flat friction-absorbent
material
on inside of casing at decreasing distance from
component
outside surface

INVENTOR: WIRTH, A

PATENT-ASSIGNEE: ETIS AG[ETISN]

PRIORITY-DATA: 1996CH-0001543 (June 20, 1996)

PATENT-FAMILY:

| PUB-NO MAIN-IPC | PUB-DATE | LANGUAGE | PAGES |
|------------------------------|-------------------|----------|-------|
| WO 9748943 A1 F16L 059/18 | December 24, 1997 | G | 028 |
| ES 2142683 T3 F16L 059/18 | April 16, 2000 | N/A | 000 |
| EP 906539 A1 F16L 059/18 | April 7, 1999 | G | 000 |

| | | | |
|------------------------------|-------------------|-----|-----|
| EP 906539 B1 F16L 059/18 | January 19, 2000 | G | 000 |
| DE 59701049 G F16L 059/18 | February 24, 2000 | N/A | 000 |

DESIGNATED-STATES: JP KR US AT BE CH DE DK ES FI FR GB
 GR IE IT LU MC NL PT SE
 CH DE DK ES FI FR GB IT LI NL CH DE DK ES FI FR GB IT LI NL

APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO | |
|-------------------------------|-----------------|----------------|------|
| WO 9748943A1 June 16, 1997 | N/A | 1997WO-CH00239 | |
| ES 2142683T3 16, 1997 | N/A | 1997EP-0924851 | June |
| ES 2142683T3 | Based on | EP 906539 | N/A |
| EP 906539A1 16, 1997 | N/A | 1997EP-0924851 | June |
| EP 906539A1 16, 1997 | N/A | 1997WO-CH00239 | June |
| EP 906539A1 | Based on | WO 9748943 | N/A |
| EP 906539B1 16, 1997 | N/A | 1997EP-0924851 | June |
| EP 906539B1 16, 1997 | N/A | 1997WO-CH00239 | June |
| EP 906539B1 | Based on | WO 9748943 | N/A |

| | | | |
|-------------------------------|----------|----------------|------|
| DE 59701049G 16, 1997 | N/A | 1997DE-0501049 | June |
| DE 59701049G 16, 1997 | N/A | 1997EP-0924851 | June |
| DE 59701049G June 16, 1997 | N/A | 1997WO-CH00239 | |
| DE 59701049G | Based on | EP 906539 | N/A |
| DE 59701049G | Based on | WO 9748943 | N/A |

INT-CL (IPC): F16L059/02, F16L059/10 , F16L059/16 ,
F16L059/18

ABSTRACTED-PUB-NO: EP 906539B

BASIC-ABSTRACT:

The insulating material is arranged in casing sections (1,2) joined together,
each being made of glass-fibre with inner and outer skins (7,5) and containing
laminated insulating material (14), also rib-type supporting portions
(10,11)
at two or more edges. The casing sections each have a flat
friction-absorbent
layer at the side towards the component and joined to the inner
skin.

The layer (12,13) runs along smooth outside surfaces of the

component and at a decreasing distance from them, absorbing over its surface the vibration-generated friction between the component and the casing sections.

This layer can be made of chrome steel in wire-mesh or sheet-metal form, being secured by glass-fibres to the inner skin and roller-welding to sheet-metal.

USE - Particularly for thermal and acoustic insulation of turbochargers and exhaust systems of high-speed diesel engines.

ADVANTAGE - Adaptability, easy installation and removal, and long life.

ABSTRACTED-PUB-NO: WO 9748943A

EQUIVALENT-ABSTRACTS:

The insulating material is arranged in casing sections (1,2) joined together, each being made of glass-fibre with inner and outer skins (7,5) and containing laminated insulating material (14), also rib-type supporting portions (10,11) at two or more edges. The casing sections each have a flat friction-absorbent layer at the side towards the component and joined to the inner skin.

The layer (12,13) runs along smooth outside surfaces of the component and at a decreasing distance from them, absorbing over its surface the vibration-generated friction between the component and the casing sections.

This layer can be made of chrome steel in wire-mesh or sheet-metal form, being secured by glass-fibres to the inner skin and roller-welding to sheet-metal.

USE - Particularly for thermal and acoustic insulation of turbochargers and exhaust systems of high-speed diesel engines.

ADVANTAGE - Adaptability, easy installation and removal, and long life.

CHOSEN-DRAWING: Dwg.2/5B

TITLE-TERMS: EXTERNAL INSULATE MATERIAL INTERNAL
COMBUST ENGINE COMPONENT FLAT
FRICTION ABSORB MATERIAL CASING DECREASE
DISTANCE COMPONENT SURFACE

DERWENT-CLASS: Q67

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1998-049711